
 Engine Governing Systems	<b>Document:</b> Data-Sheet <b>Version:</b> 1 <b>Status:</b> Actual <b>Author:</b> wl <b>Date:</b> 24.4.01 <b>Approved:</b> dh <b>Date:</b> 24.4.01 <b>File:</b> PC	<h1>MSP 6732B</h1> <h2>Dual Magnetic Speed Sensor</h2>	 HUEGLI TECH LTD SWITZERLAND Tel.: + 41-62-916 50 30 Fax: + 41-62-916 50 35
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### Product Advantages

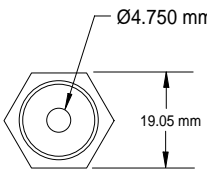
- Only one threaded hole required in flywheel housing
- Two independent, yet synchronised sensors in one provide full redundancy
- Just one sensor needed, if a speed signal as input for two independent system is needed.
- One sensor can supply two independent governor systems, or a governor and a tachometer
- Less expensive than two individual sensors

### Potential Markets

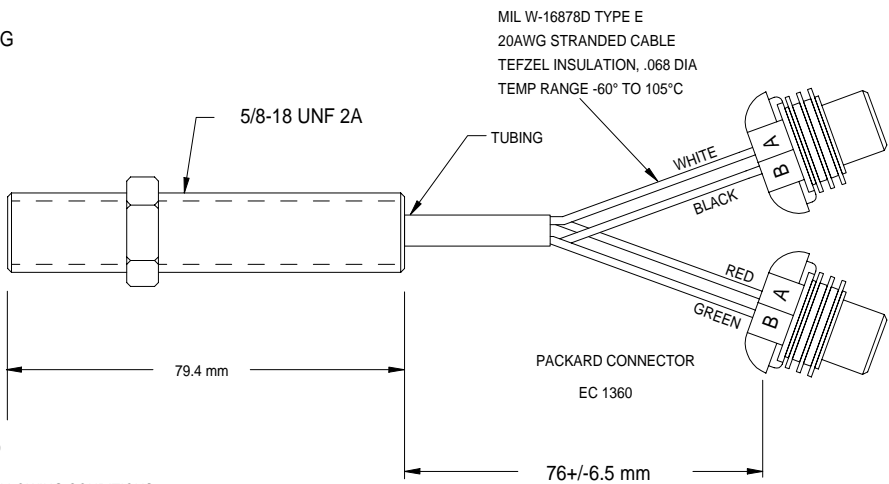
- Marine
- Railway
- Gen-Set
- Industrial Applications like cranes, etc.

REV	DESCRIPTION	ZONE	MSP6732	B
A	3.125 WAS 2.825 ADDED WIRE COLORS CDM 3 - 16 - 99			
B	REVISE TO MATCH VENDOR DWG DCN#1013 CDM 6-30-99			



Ø4.750 mm  
19.05 mm



5/8-18 UNF 2A  
TUBING  
MIL W-16878D TYPE E  
20AWG STRANDED CABLE  
TEFZEL INSULATION, .068 DIA  
TEMP RANGE -60° TO 105°C  
WHITE  
BLACK  
RED  
GREEN  
PACKARD CONNECTOR  
EC 1360  
MATING HALF CONNECTOR  
EC 1350  
79.4 mm  
76+/-6.5 mm

**SPECIFICATIONS**

- RESISTANCE: 180 OHMS +/- 20% @ 78° F (2X)
- INDUCTANCE: 60 mH +/- 10% @ 200 Hz (2X)
- OUTPUT VOLTAGE: 4.2 V P-P UNDER THE FOLLOWING CONDITIONS
  - AIRGAP : .030"
  - TEST WHEEL: 8 PITCH GEAR
  - SURFACE SPEED: 150 INCHES PER SECOND
  - LOAD: 100 K OHMS
- POLARITY: WHITE & RED WIRES NEGATIVE WITH RESPECT TO BLACK & GREEN WIRES WITH THE APPROACH OF THE FERROUS TARGET
- TEMPERATURE RANGE: -65° F - 225° F (OPERATING)  
-100° F - 225° F (STORAGE)
- HIGH POT: 500 +/- 15 V RMS MIN.  
LEAD WIRES TO CASE
- LEAD WIRES MUST EACH WITHSTAND A 10 LB. PULL TEST.
- MARK SHRINK TUBING USING BLACK INK:  
"MSC", "MSP6732", DATE CODE
- INSULATION RESISTANCE:  
100M OHM MIN AT 100V DC.

POS.	DESCRIPTION	QTY.	DRAWING NO.	REV
<b>MAGNETIC SPEED SENSOR</b>				
DRAWN	CDM	DATE	12 - 23 - 98	SIZE
CHECKED		DATE		DRAWING
USED ON	NEXT ASSY.	SCALE	1:1	SHEET
			<b>MSP6732</b>	<b>B</b>